

"Dedicated to Public Service"

# THE RADIATOR



W6RHC

IRL #8170



www.gearsw6rhc.org

P.O.Box 202 Chico, CA 95927-0508

Founded: August 13, 1939

November, 2017

## Coming Events

**O.A.R.S. GENERAL MEETING** Second Friday, of month, 7:00 p.m., at St. Paul's Church Parrish Hall, 1430 Pine St., Oroville

**G.A.R.S. Second Thursday** of month, 6:30 p.m. Lutheran Church Hall, Artois; .

**G.E.A.R.S General Meeting**, third Friday of month, Butte County Search and Rescue Bldg., Chico. Social hour 6:00, meeting at 7:00.

**Board Meetings:** 2nd Saturday of month

**Butte A.R.E.S. MEET:** fourth Friday, at Butte County Search and Rescue Building.

**FCC EXAMS - GEARS VEC**

**First Sunday** of every even numbered month.

At the Butte County Search and Rescue Building,. Written test at 2:00 p.m. For information or pre-registration call Tom Rider -W6JS; 530-893-9211

**Club Events:** News and items of interest  
GEARS Calendar...all inside.



Picture courtesy EVARC

## The Prez' Says:

*QRZ de KA6GND*

*Welcome to November everyone, when hopefully fire danger ends for another year and we may get more time on the air as storms start keeping us indoors more.*



*On October 14th we held a demo at the Gateway Science Museum. Thank you again Kris, KK6QIL, for chairing this project. Thank you to Michael - N6FAV, Gene - WA6ZRT, Rick - KI6VOS, for setting up stations and others who attended and helped talk with the public, We opened the eyes of some who had not seen amateur radio before.*

*On Saturday October 21st some of us participated in JOTA, Jamboree On The Air, and annual event in conjunction with Boy Scouts of America. Many Cub Scouts came out to the Elks Lodge to see amateur radio in action and get the opportunity to talk on the air. Thank you Tom - W6JS, Gene - WA6ZRT, Michael - N6FAV, John - AJ7J, Jackson - W1FOG, Mel - N6JLX and others for helping us make this event a success locally. Mel - N6JLX helped the kids "find the fox"*  
(continued page 4)

## ITEMS FOR SALE

Yaesu **VX170** 2m handheld with drop-in charger, extra battery pack and also a dry cell case.

Icom W2A 2m/440 handheld with new battery pack and drop-in charger.

Both are in very good condition, hardly used. \$75 each plus shipping if needed.

Larry, KA6GND  
[Ka6gnd@gmail.com](mailto:Ka6gnd@gmail.com)  
[530-345-5399](tel:530-345-5399)

## DO YOU HAVE OLD QST MAGAZINES IN SEARCH OF A NEW HOME?

Gene Wright has that future home for your QSTs, through his project to place QST Magazines in professional **offices** throughout Chico.

Labels placed on the QST's will advertise the Golden Empire Amateur Radio Society, encourage the readers to consider Ham Radio as an interesting hobby, one of not only fun, but which provides opportunities for many and various community services.

Bring your QST's to Gene at the Club meetings or contact:

Gene -WA6ZRT-530- 345-3515.

#####

## Reminder: Daylight Saving Time changes:

**2:00 a.m. November 5, 2017:**

**Be sure to set your clocks BACK**

**“Spring Forward—Fall Back”**

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***SATURDAY HAM  
BREAKFAST NOVEMBER 25 AT  
FARMERS SKILLET-***

How about a relaxing meet, greet and sharing morning after the hurly burly days celebrating Thanksgiving?

This month the ham breakfast will move back to Farmers Skillet on the corner of Cohasset and Rio Lindo at 9am, on November 25th, even though that is Thanksgiving weekend. Hope we can all get together for fun and relaxation. Larry

*Caps embroidered with  
your name  
and your  
call sign may  
be ordered by  
contacting*

*WA6ZRT-Gene  
Telephone  
#530 -345-3515*



**VEC TESTING**  
**2:00 p.m.**

**December 3, 2017**

**February 4, 2018**

**AT BUTTE COUNTY  
SEARCH & RESCUE  
BUILDING**

**All Classes**

**Technician, General and  
Extra.**

**Contact:**

**Tom Rider-W6JS  
530-893-9211**

**[Rustyboy rider@aol.com](mailto:Rustyboy rider@aol.com)**



## Glenn Amateur Radio Society Dedicates Disaster Trailer

Glenn Amateur Radio Society (GARS) is blessed through its association with TRI-LERT [the Lutheran Social Services of Northern California, the Sierra Pacific Synod (ELCA), and the California Nevada, Hawaii District (CNH) of the Lutheran Church Missouri Synod (LCMS)].

How? Well, in November 2014 Thrivent Financial gifted GARS with a \$250 Gift card. That gift came with a stipulation to use the funds for a project to enhance emergency communications within the GARS service area. GARS members then focused on acquiring a 2000-watt Honda Generator at a cost usually around \$1000. The question? Would the members be willing to ante up 750 to 800 for the purchase? The response, a resounding YES!

Then in January 2016 GARS membership passed a motion to collaborate with St Paul's LC, Artois, in writing a grant proposal for a grant being put forth by the LCMS in partnership with the National Lutheran Women's Missionary League. This grant, for a total of \$10,000, was to purchase a selected equipment inventory and a trailer to haul said equipment. In May of 2016 the grant was allocated to and through the foregoing groups for this Disaster Trailer unit.

Saint Paul's Lutheran Church of Artois (SPLCA), the District Disaster Response Coordinator (DDRC), and GARS developed a broader plan to include a communication suite. This meant a much bigger trailer. This required more funds to bring this project to fruition. With the support and financial help from Thrivent Financial, RedRock Financial, Glenn Communities Working Together, and others, additional funds were acquired. These additional funds made the expanded project possible.

The relationship between SPLCA, GARS, and the CNH-DDRC are defined through a Memorandum of Understanding. The trailer, which is to be available throughout the California, Nevada, Hawaii District of the LCMS (for needed disaster response), was placed under the responsibility of GARS for outfitting and configuring the trailer with equipment appropriate to disaster response as well as for service as a mobile emergency communications center. GARS insurance policy includes endorsements to cover the radio equipment while the SPLCA policy covers the other contents and activities associated with normal operation of the unit. GARS provides at least one operator to accompany to the trailer and serve as a chief station operator when a disaster requires deployment.

KI6MSN-Phil Zabell is  
ment and associated  
Disaster Response Co-  
CNH District of the



responsible for manage-  
equipment as District  
ordinator (DDRC) of the  
LCMS.

*on the hidden transmitter fox hunt - great job all!*

*As announced at the last club meeting, after the online survey and discussions at Board meetings, we are considering changing the night away from Fridays for our club General Meetings to improve attendance. The majority of members seem to be in favor of this. If you have input on this, please let myself or other Board members know.*

*At this month's meeting our program should be very interesting as our member Kris, KK6QYL will talk about his current career as a writer, director and producer of worldwide renowned documentaries, it should be fascinating!*

*Remember, "the sky is the limit with amateur radio".*

73,  
Larry Marcum, KA6GND  
[Ka6gnd@gmail.com](mailto:Ka6gnd@gmail.com)  
530-345-5399



Since the time of acquisition (December 2016) GARS work teams (a very limited number because we are a small organization) have configured the Communications Suite – (a work still in progress) - and Disaster Response Equipment, installed interior and exterior Trailer components, interior insulation, provided and installed electronic Equipment, batteries, tools, lights, supplies, a numerous number of improvements, and, where required, upgraded portions of the trailer unit. To date total labor put forth from all parties has surpassed 2100-person hours.

We are pleased (and proud) to join TRI-LERT members in dedicating this unit to the service of Glenn County and other service areas when the need arises.

Our appreciation and Thank You to all who have aided in this very worthwhile endeavor.





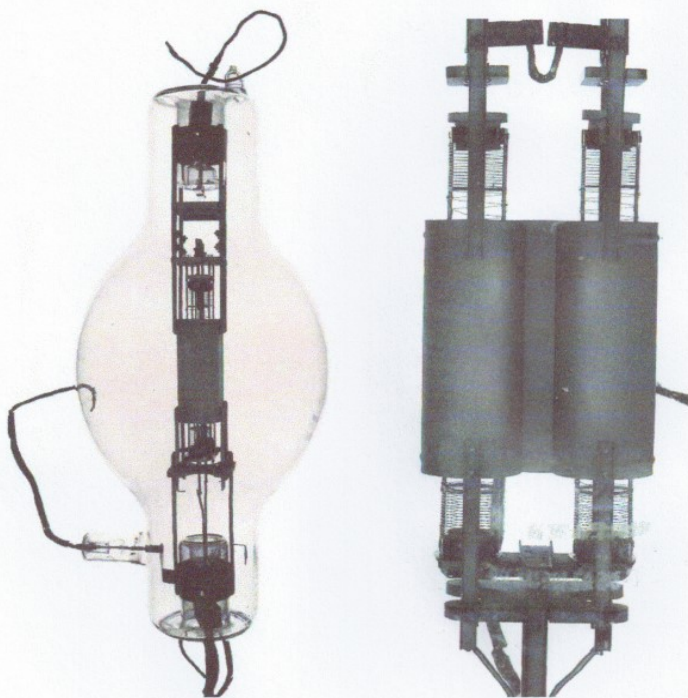
## Tube of the Month

### SN-146

While at a Tube Collectors Association meeting in Lansing, Michigan a few years ago, I had the chance to buy a very large Japanese tube. The tube was 17.5 inches tall and is almost as large as the largest all glass construction tubes ever made. The SN-146 is a triode that was designed in Japan in the 1930's for the Japanese Army. The Handbook on Japanese Military Forces, 1944, shows that this tube was used in two high power shortwave transmitters. They were the 500 watt Model 92 and the 1000 watt Model 95. The Model 92 was used for communication between islands and the 95 was for long haul work.

The unusual feature of this tube is that the elements are made in two parallel sections. This construction wasn't needed to produce the required power, but if you look at the construction, it seems to be for ruggedness. I can imagine that electronics equipment in WWII was subjected to very rough treatment in transit. I have problems with the USPS and UPS shipping tubes and conditions in the Pacific must have been very bad. I have no idea how many of these tubes survived the War, but I know of only one other example in the U.S. Not trusting the mail, I put the tube in my carry-on luggage to bring it home from Michigan.

Visit the museum at [N6JV.com](http://N6JV.com)  
Norm N6JV



#### Club Officers: (Board of Directors)

President .....Larry Marcum-ka6gnd  
Vice President..... Stephen Wolske-kf6hss  
Secretary ..... Michael Favor—n6fav  
Treasurer..... ....Rick Hubbard- ki6vos  
Past President .....Anna Horn Kg6goa  
Director..... Tom Rider-W6JS  
Director..... ...Gene Wright-wa6zrt  
Director..... Dale Anderson kk6evs

#### Club Meetings:

General Meeting Third Friday 7:00 PM

Board Meeting Second Saturday

GEARS Club Net

Tuesdays 7:30 PM 146.850 MHz-PL 110.9

GARS Club Net:Monday,7:00 pm 147.105+Mhz  
PL 110.09

Thursdays Simplex Net 7:30 p.m. 146.52

Sacramento Valley Traffic Net

Nightly 9:00 PM 146.850 MHz-PL 110.9

#### ARES Nets:

Butte Mondays 20:00 146.850 MHz-PL 110.9

Yuba Sutter Thursdays 19:00 146.085+MHz PL 127.3

Glenn Thursday 19:30 147.105 MHz +PL 100.0

#### Other Nets:

Willie Net 8:00 PM Mondays 1930 kHz

Sac Valley Section Net—7:00 PM 2nd Wed of the  
month 146.085 MHz+PL 127.3

440 Wed. Night 8:00 PM Wednesday 440.650 MHz

Golden Bear 7:00 PM Daily 3975 kHz Western Public  
Service System (WPSS)

7:30 PM 3952 kHz

ARISS (*International Space Station*) Uplink 144.490

MHz Downlink 145.800 MHz

Hope-1 satellite: all uplinks are in 145Mhz band:

All downlinks are in 435Mhz band

...California Traffic Net: 3906 KHz nightly @6:00

pm .For traffic listing & @6:30 p.m. for roll call.

#### The GEARS Newsletter Staff:

Editor and Publisher.....Dorothy Post

Printing & Distribution snail mail: Evelyn Weir

Website...Michael Favor-N6FAV

The Radiator is a monthly publication of the Golden Empire Amateur Radio Society (GEARS). It is the policy of the Editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio, of interest to GEARS members, and space is available. Please send all submissions to the Editor – Dorothy Post by the last day of the month through the following medium: E-mail: [dj@posthouse.us](mailto:dj@posthouse.us)



**Hey Everybody!**



**From Me to all of you!**

**Brinkley, K9DOG**

Date	Time	Event	Location	Contact party
Sunday, December 3,, 2017 Sunday , February 4, 2018	2:00 p.m.	VEC—Exams	Butte Co. Search & Rescue Building 2591 Morrow Lane, Chico	Tom Rider 530-893-9211
Sunday November 5th—usually the Second Thursday each month	A special event GARS & Invitees .	GARS-Glenn Glenn Amateur Radio Society \\	Lutheran Church Hall: Artois	Mike Ellithorpe 530-518-3730
Friday, November 10, 2017 Second Friday each month	General Meeting	OARS Oroville Amateur Radio Society General Meeting	St Paul's Church Parrish Hall 1430 Pine Street Oroville	Ron Osborne-kd7uhf 530 589 1834 kd7uhf@yahoo.com
Saturday November 11, Second Saturday Each month	Board meet: 9:00 a.m.	GEARS Board of Di- rectors Meet Members are Invited!	Blood Source Blood Source Bldg 555 Rio Lindo Ave	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
Friday November 17 Third Friday each month.	Open 6:00 p.m.	GEARS Golden Empire Amateur Radio Society	Butte County Search and Rescue Building 2591 Morrow Lane Chico	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
November 25, 2017	GEARS Breakfast	GEARS Saturday Breakfast Funtime	<i>Farmers Skillet Restaurant: Corner of Río Lindo &amp; cohasset</i>	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com

Bring Your Old Eyeglass Wear to GEARS for the  
LIONS Club Eyeglasses donation Box  
Prescription glasses, or magnifying eyeglasses, sunglasses, but no loose lens—frames are a necessity.  
This is a club community effort in which all members may participate with minimal effort.

